

## Practice Question User login

### HtmlFile

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h2>User Login application</h2>
<form action="LoginChecker" method="post">
UserName:<input type="text" name="txtUname">
Password:<input type="password" name="txtPassword">
<input type="Submit" value="Login">
</form>
<a href="Logout">Logout</a>
</body>
</html>
```

### Login

```
package com;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
/**
 * Servlet implementation class LoginChecker
 */
public class LoginChecker extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public LoginChecker() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
    HttpServletResponse response)
     */
}
```

```

        protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            // TODO Auto-generated method stub
            String uname=request.getParameter("txtUname");
            String pword=request.getParameter("txtPassword");
            PrintWriter out=response.getWriter();
            if(uname.equalsIgnoreCase("admin") && pword.equals("password")){
                out.println("You are Welcomed");
            }
            else
                out.println("Invalid Username or Password");
        }
    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        String uname=request.getParameter("txtUname");
        String pword=request.getParameter("txtPassword");
        PrintWriter out=response.getWriter();
        RequestDispatcher rd;
        if(uname.equalsIgnoreCase("admin") && pword.equals("password")){
            HttpSession session=request.getSession(true);
            session.setAttribute("username",uname);
            out.println("You are Welcomed");
            rd=request.getRequestDispatcher("Welcome");
            rd.forward(request, response);
        }
        else {
            out.println("Invalid Username or Password");
            rd=request.getRequestDispatcher("<h1>Userlogin.html</h1>");
            rd.include(request, response);
        }
    }
}

```

## Logout

```

package com;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
/**

```

```

* Servlet implementation class Logout
*/
public class Logout extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Logout() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        HttpSession session=request.getSession();
        PrintWriter out=response.getWriter();
        String uname=(String)session.getAttribute("username");
        out.println(uname+" you have successfully loggedout from the
    application");
        session.invalidate();
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}

```

## Welcome file

```

package com;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
/**
 * Servlet implementation class Welcome

```

```

*/
public class Welcome extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Welcome() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at:
    ").append(request.getContextPath());
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
    HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        PrintWriter out=response.getWriter();
        HttpSession session=request.getSession();
        String uname=(String)session.getAttribute("username");
        out.println("<h1>Welcome User "+ uname+" you have successfully
    logged into the application</h1>" );
        out.println("<a href='Logout'>Logout</a>");
    }
}

```

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### User Login application

UserName:  Password:

[Logout](#)

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Invalid Username or Password

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### User Login application

UserName:  Password:

[Logout](#)

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**Welcome User admin you have successfully logged into the application**

[Logout](#)

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admin you have successfully loggedout from the application